

## PM<sub>2.5</sub> (ug/m<sup>3</sup>) Data for December 31, 2012

PM<sub>2.5</sub> Particulate matter that is 2.5 microns or less in aerodynamic diameter

[Preliminary Data Subject to Change](#)

### Air Monitoring Stations

| Time                               | Honolulu<br>1250 Punchbowl St. | Pearl City<br>860 4th St. | Kapolei<br>Kapolei Business Park | Sand Island<br>Sand Island Access Rd. | Kihei<br>Hale Piilani Park | Niumalu<br>2342 Hulemalu Rd. |
|------------------------------------|--------------------------------|---------------------------|----------------------------------|---------------------------------------|----------------------------|------------------------------|
| 1:00 a.m.                          | 4                              | 6                         | 10                               | 6                                     | 6                          | 1                            |
| 2:00 a.m.                          | 3                              | 7                         | 7                                | 7                                     | 9                          | 6                            |
| 3:00 a.m.                          | 3                              | 8                         | 7                                | 9                                     | 6                          | 4                            |
| 4:00 a.m.                          | 6                              | 10                        | 8                                | 10                                    | 6                          | 2                            |
| 5:00 a.m.                          | 11                             | 11                        | 8                                | 13                                    | 5                          | 3                            |
| 6:00 a.m.                          | 13                             | 12                        | 10                               | 14                                    | 0                          | 3                            |
| 7:00 a.m.                          | 12                             | 17                        | 11                               | no data                               | 1                          | 5                            |
| 8:00 a.m.                          | 13                             | 14                        | 11                               | no data                               | 8                          | 8                            |
| 9:00 a.m.                          | 14                             | 13                        | 18                               | 14                                    | 15                         | 6                            |
| 10:00 a.m.                         | 9                              | 11                        | 15                               | 13                                    | 6                          | 4                            |
| 11:00 a.m.                         | 9                              | 12                        | 13                               | 10                                    | 8                          | 4                            |
| 12:00 noon                         | 12                             | 13                        | 11                               | 11                                    | 10                         | 7                            |
| 1:00 p.m.                          | 13                             | 12                        | 9                                | 13                                    | 8                          | 9                            |
| 2:00 p.m.                          | 18                             | 9                         | 9                                | 10                                    | 8                          | 8                            |
| 3:00 p.m.                          | 5                              | 10                        | 8                                | 10                                    | 9                          | 9                            |
| 4:00 p.m.                          | 9                              | 12                        | 9                                | 12                                    | 5                          | 10                           |
| 5:00 p.m.                          | 13                             | 11                        | 12                               | 8                                     | 4                          | 10                           |
| 6:00 p.m.                          | 10                             | 12                        | 13                               | 6                                     | 8                          | 7                            |
| 7:00 p.m.                          | 7                              | 15                        | 13                               | 7                                     | 11                         | 5                            |
| 8:00 p.m.                          | 10                             | 23                        | 16                               | 9                                     | 10                         | 8                            |
| 9:00 p.m.                          | 16                             | 32                        | 12                               | 15                                    | 10                         | 13                           |
| 10:00 p.m.                         | 13                             | 26                        | 17                               | 15                                    | 13                         | 10                           |
| 11:00 p.m.                         | 18                             | 29                        | 7                                | 25                                    | 149                        | 7                            |
| 12:00 midnight                     | 19                             | 34                        | 19                               | 22                                    | 17                         | 10                           |
| <b>24 hour average<sup>a</sup></b> | <b>11</b>                      | <b>15</b>                 | <b>11</b>                        | <b>12</b>                             | <b>14</b>                  | <b>7</b>                     |

<sup>a</sup> The federal standard is 35 ug/m<sup>3</sup> *averaged over 24 hours*

## PM<sub>2.5</sub> (ug/m<sup>3</sup>) Data for January 1, 2013

PM<sub>2.5</sub> Particulate matter that is 2.5 microns or less in aerodynamic diameter

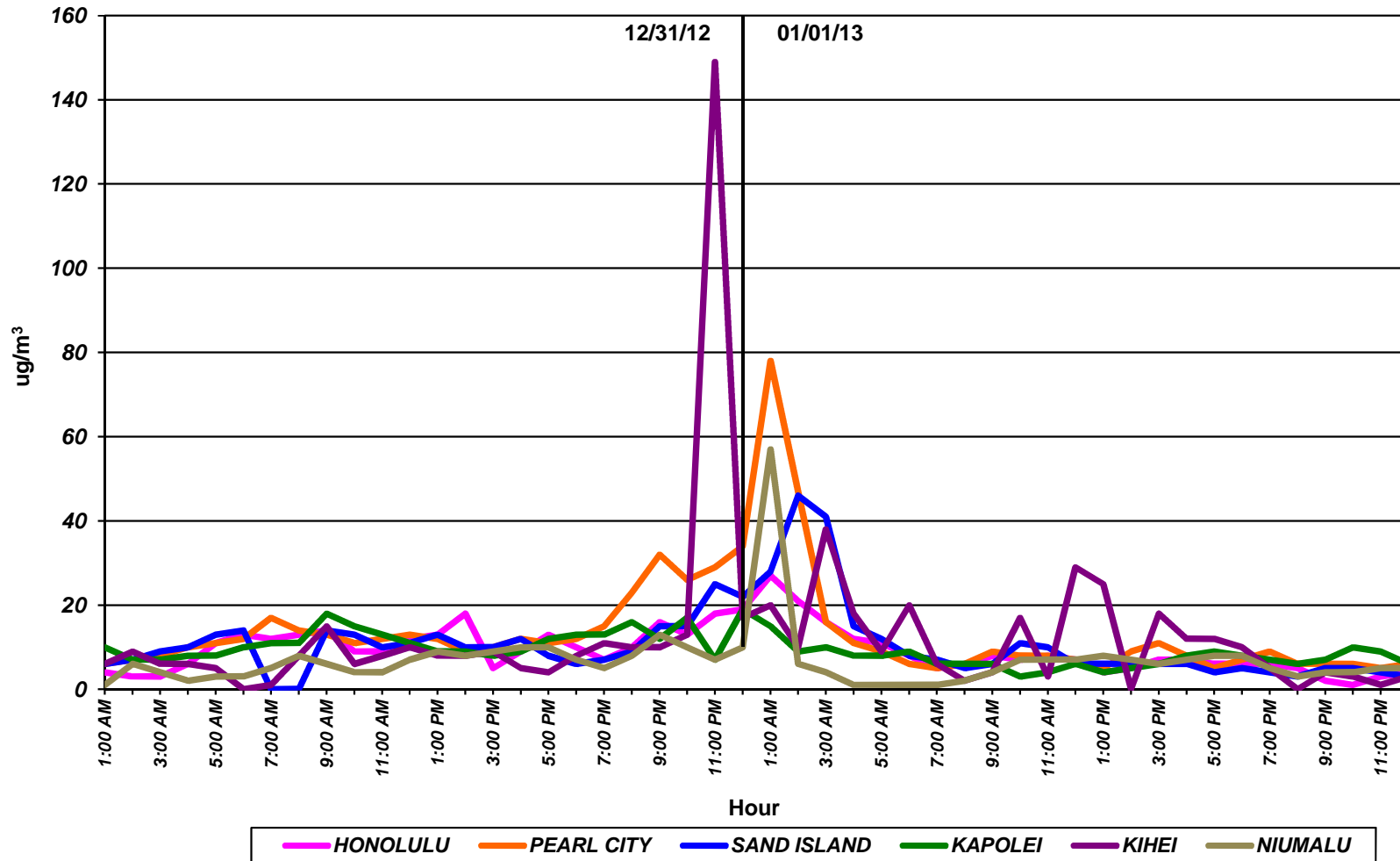
[Preliminary Data Subject to Change](#)

### Air Monitoring Stations

| Time                               | Honolulu<br>1250 Punchbowl St. | Pearl City<br>860 4th St. | Kapolei<br>Kapolei Business Park | Sand Island<br>Sand Island Access Rd. | Kihei<br>Hale Piilani Park | Niimalu<br>2342 Hulemalu Rd. |
|------------------------------------|--------------------------------|---------------------------|----------------------------------|---------------------------------------|----------------------------|------------------------------|
| 1:00 a.m.                          | 27                             | 78                        | 15                               | 28                                    | 20                         | 57                           |
| 2:00 a.m.                          | 21                             | 47                        | 9                                | 46                                    | 10                         | 6                            |
| 3:00 a.m.                          | 16                             | 16                        | 10                               | 41                                    | 38                         | 4                            |
| 4:00 a.m.                          | 12                             | 11                        | 8                                | 15                                    | 18                         | 1                            |
| 5:00 a.m.                          | 11                             | 9                         | 8                                | 12                                    | 9                          | 1                            |
| 6:00 a.m.                          | 8                              | 6                         | 9                                | 8                                     | 20                         | 1                            |
| 7:00 a.m.                          | 5                              | 5                         | 6                                | 7                                     | 6                          | 1                            |
| 8:00 a.m.                          | 6                              | 6                         | 6                                | 5                                     | 2                          | 2                            |
| 9:00 a.m.                          | 8                              | 9                         | 6                                | 6                                     | 4                          | 4                            |
| 10:00 a.m.                         | 7                              | 8                         | 3                                | 11                                    | 17                         | 7                            |
| 11:00 a.m.                         | 8                              | 8                         | 4                                | 10                                    | 3                          | 7                            |
| 12:00 noon                         | 7                              | 7                         | 6                                | 6                                     | 29                         | 7                            |
| 1:00 p.m.                          | 4                              | 5                         | 4                                | 6                                     | 25                         | 8                            |
| 2:00 p.m.                          | 5                              | 9                         | 5                                | 6                                     | no data                    | 7                            |
| 3:00 p.m.                          | 7                              | 11                        | 6                                | 6                                     | 18                         | 6                            |
| 4:00 p.m.                          | 7                              | 8                         | 8                                | 6                                     | 12                         | 7                            |
| 5:00 p.m.                          | 6                              | 5                         | 9                                | 4                                     | 12                         | 8                            |
| 6:00 p.m.                          | 6                              | 7                         | 8                                | 5                                     | 10                         | 8                            |
| 7:00 p.m.                          | 6                              | 9                         | 7                                | 4                                     | 5                          | 5                            |
| 8:00 p.m.                          | 5                              | 6                         | 6                                | 3                                     | no data                    | 3                            |
| 9:00 p.m.                          | 2                              | 6                         | 7                                | 5                                     | 4                          | 4                            |
| 10:00 p.m.                         | 1                              | 6                         | 10                               | 5                                     | 3                          | 4                            |
| 11:00 p.m.                         | 3                              | 5                         | 9                                | 4                                     | 1                          | 5                            |
| 12:00 midnight                     | 4                              | 6                         | 6                                | 3                                     | 3                          | 5                            |
| <b>24 hour average<sup>a</sup></b> | <b>8</b>                       | <b>12</b>                 | <b>7</b>                         | <b>11</b>                             | <b>12</b>                  | <b>7</b>                     |

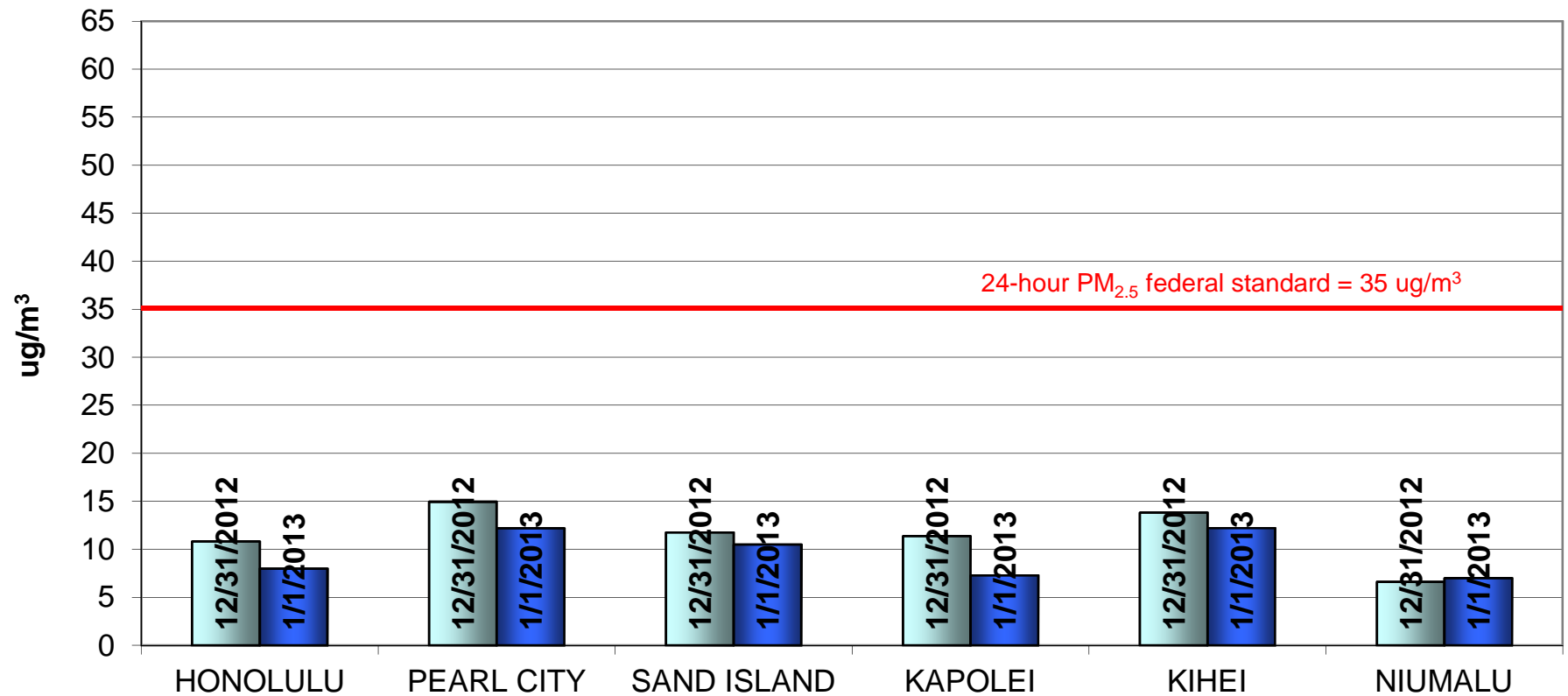
<sup>a</sup> The federal standard is 35 ug/m<sup>3</sup> *averaged over 24 hours*

**1-Hour PM<sub>2.5</sub> (ug/m<sup>3</sup>) Data for December 31, 2012 and January 1, 2013**  
(Preliminary Data Subject to Change)

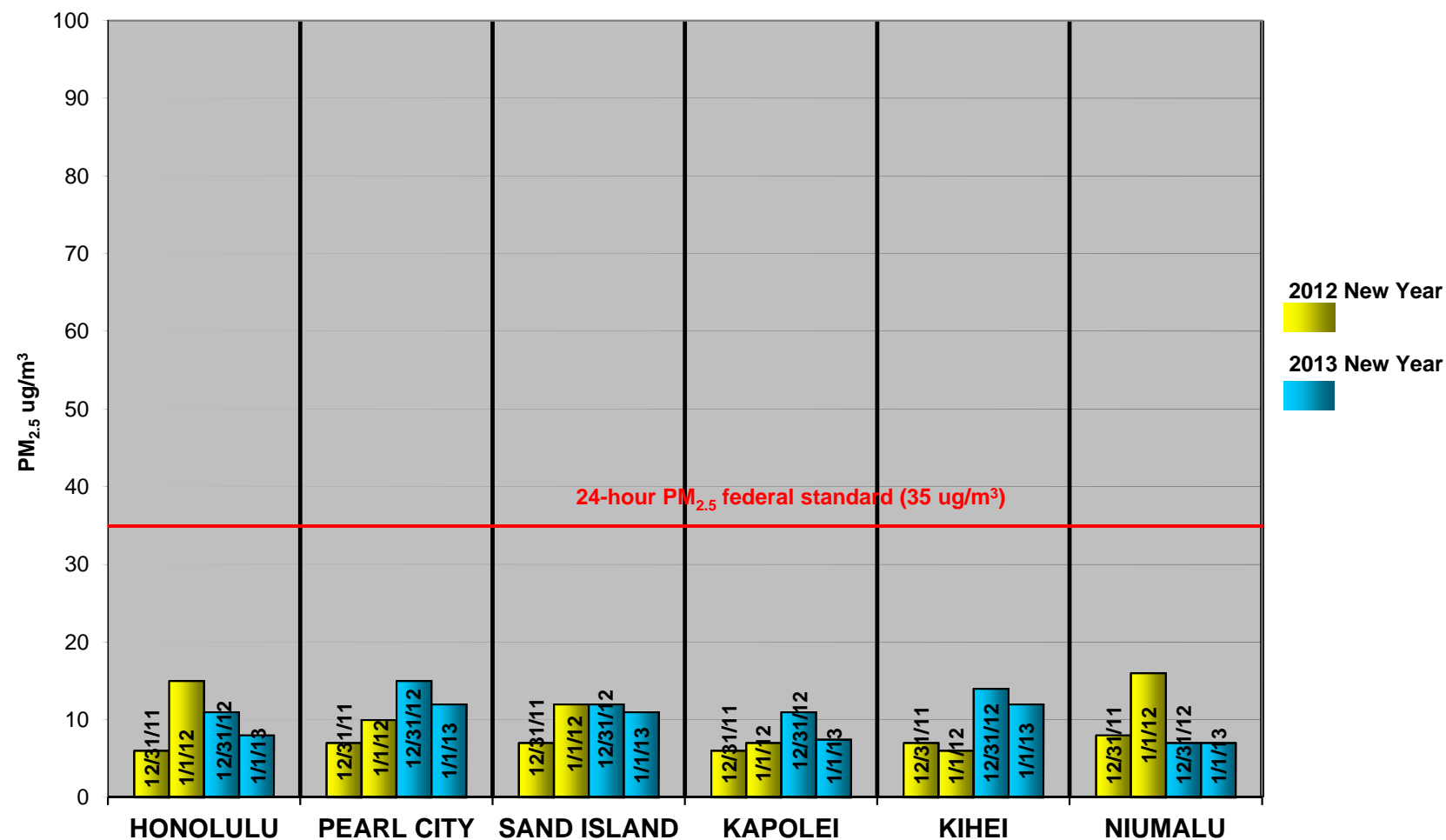


There is no state or federal 1-hour standard for PM<sub>2.5</sub>.  
The federal standard for PM<sub>2.5</sub> is 35 ug/m<sup>3</sup> averaged over 24 hours.

**24-Hour PM<sub>2.5</sub> Averages (ug/m<sup>3</sup>) 12/31/12 and 1/1/13:**  
**OAHU, MAUI and KAUAI**  
**Preliminary Data Subject to Change**



**Comparison of New Year's 2012 and 2013: 24-Hour PM<sub>2.5</sub> Averages (ug/m<sup>3</sup>)**  
(Data is preliminary and subject to change)



# Comparison of New Year's 2011 - 2013: 24-Hour PM<sub>2.5</sub> Averages (ug/m<sup>3</sup>) (Data is preliminary and subject to change)

